



**Australian Government**

# **Assessment Requirements for UEEIC0009**

## **Develop an electrical integrated system interface for access through a touch screen**

**Release: 1**

# **Assessment Requirements for UEEIC0009 Develop an electrical integrated system interface for access through a touch screen**

## **Modification History**

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

## **Performance Evidence**

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least one occasion and include:

- determining the areas and control parameters to be accessed through the touch screen
- confirming touch screen embellishments to be applied
- downloading to a personal computer (PC) and checking touch screen programming and integrated system programming software and project data
- understanding manufacturer's instruction for installing and connecting touch screens
- checking that the installation and connections for the touch screen comply with manufacturer requirements
- developing touch screen interface functions and embellishments in accordance with compatibility with the integrated system and to customer requirements
- backing up and transferring touch screen interface program following manufacturer's instructions
- testing touch screen and correcting non-compliance operations and anomalies
- documenting the as-programmed touch screen specifications
- applying relevant workplace health and safety (WHS)/occupational health and safety (OHS) requirements, including implementing risk control measures
- checking programming for quality assurance
- implementing network connectivity and making web page content available.

## **Knowledge Evidence**

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- touch screen installation requirements and programming in integrated systems, including:
  - integrated system touch screen types, features and parameters
  - touch screen mounting methods and manufacturer's instructions
  - touch screen wiring and connection arrangements encompassing:
    - power supply

- integrated network
- audio
- video
- IR control
- programming
- network
- electrical protection requirements
- programming requirements and process
- programming software specifications and tools
- human-machine interface (HMI) programming techniques with proprietary software encompassing
  - component types
  - component properties
  - arranging visible properties and creating screen embellishment
  - setting integrated system properties of components (components can be text, images, shapes, buttons, sliders, level indicators, clocks, monitors, hypertext mark-up language (HTML) and web cam images)
- methods for transferring and project data and backing up
- information technology back-up processes
- relevant risk mitigation processes, including risk control measures
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- compliance testing and quality assurance testing.

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry

- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

## Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>